Installation Guide

Solecis AVB-DA-RGBHV-ST-0102

Overview

The Solecis AVB-DA-RGBHV-ST-0102 1x2 RGBHV HD-15, Stereo Distribution Amplifier (**FG1340-1101-02**) is a high-resolution wideband PC splitter with exceptional characteristics and features that are second to none.

With an RGB video bandwidth in excess of 350Mhz (-3dB), the AVB-DA-RGBHV-ST-0102 is the perfect choice for a variety of presentation applications. The buffered input provides for a local monitor loop through and main output for onward connection to monitors, projectors and plasma displays.

The main output features 75 ohm drive for connection to long cable runs and TTL sync restore for total compatibility.

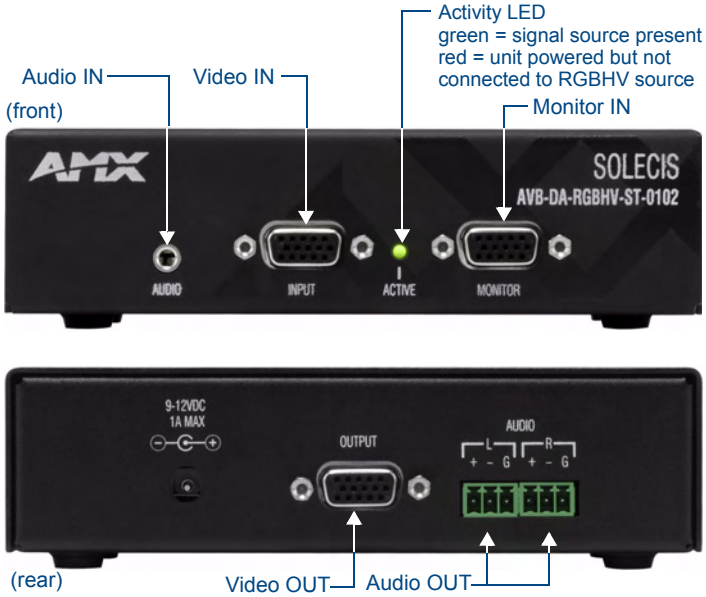

FIG. 1 Solecis AVB-DA-RGBHV-ST-0102

Product Specifications

AVB-DA-RGBHV-ST-0102 Specifications	
RGB Input (HD-15)	
Number:	1
Level:	Analog
Max Level:	1V p-p
Impedance:	75 ohm
Sync Input	
Type:	Analog or TTL
Impedance:	470 ohm
RGB Video Bandwidth:	300MHz -3dB
RGB Return Loss:	-45dB@10MHz, -27dB@100MHz
Sync Processing:	None
RGB Outputs (HD-15)	
Number:	2
Level:	Analog
Gain:	Unity
Impedance:	75 ohm
Sync Output	
Level:	TTL
Gain:	TTL restore
Impedance:	75 ohm
Audio:	Balanced/Unbalanced audio via 3.5mm stereo socket to phoenix

AVB-DA-RGBHV-ST-0102 Specifications (Cont.)	
Power	
Input Voltage:	9-12VDC
Power Consumption:	3W
Heat Dissipation:	10.2 BTU/hr
Dimensions (HWD):	• 1.66" x 5.85" x 4.25" • 42.2mm x 148.6mm x 108.0mm
Weight:	1.5 lbs. (0.68kg)
Included Accessories:	PS2.8 power supply (FG423-11)
Certifications:	• CE • FCC class B, part 15 • RoHS/WEEE compliant

Safety Instructions

Please read these instructions before using your AMX Solecis device. Failure to comply with these instructions could result in fire, electrical shock, personal injury, death, or damage to the equipment.

Liquid Spills

Do not set drinks on top of the unit or immerse the unit in liquid.

Do Not Disassemble

This device contains no user serviceable parts. All servicing must be performed by a qualified service technician.

For Safety Reasons

- *Do not place the unit on an unstable surface.*
- *Do not use near water or sources of heat.*
- *Use only recommended attachments.*
- *Use the type of power supply as specified.*
  Unplug the power to the unit and refer servicing to qualified personnel under the following conditions:
- *If liquid has been spilled or the unit has been exposed to rain or water.*
- *If it does not operate normally when the operating instructions are followed or if it exhibits a distinct change in performance indicating a need for service.*
- *If the unit has been dropped or the cabinet damaged.*

Connections

Connect the RGBHV and Audio sources to the Input sockets on the front panel of the unit.

- The RGB inputs are 75 ohm terminated and the audio input 47Kohm terminated. The video outputs are fully 75 ohm driven and the audio balanced.
- For unbalanced systems use the + and Gnd terminals.

***Note**: It is imperative that the input sources are fully compatible with the display and sound devices.*

The unit may now be powered.

Power / Video Indication ("Active" LED)

- When the unit is powered without the RGBHV input connected, the *Active* indicator will be Red.
- When a signal source is applied, the indicator will turn Green.

Video Pin Connections

FIG. 2 provides the pin layout for the HD-15 connectors:

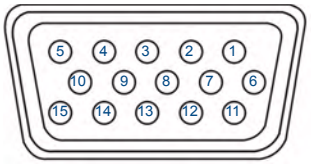

FIG. 2 RGBHV HD-15 connector

The pin configuration for the HD-15 (video) connector are as follows:

1 - RED
2 - GREEN
3 - BLUE
4 - n/c
5 - n/c
6 - RED GROUND
7 - GREEN GROUND
8 - BLUE GROUND
9 - n/c
10 - SYNC GROUND
11 - n/c
12 - n/c
13 - H SYNC
14 - V SYNC
15 - n/c

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